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Sheet 1 of 1

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Author(s):

K. Chandrasekaran H. Woodworth *HW*

Principal author
signature:

K. Chandrasekaran

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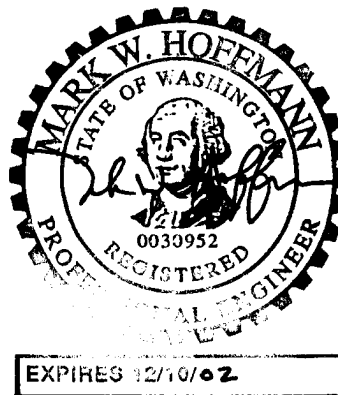
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M. W. Hoffmann
Signature

8/1/02
Date

River Protection Project
Waste Treatment Plant
3000 George Washington Way
Richland, WA 99352
United States of America
Tel: 509 371 3500
Fax: 509 371 3504

History Sheet

Rev	Date	Reason for revision	Revised by
0	6/30/02	Issued for Permitting Use	H. Woodworth
1	7/11/02	Revised number of sumps in section 3 and sump materials in Table 1	K. Chandrasekaran
2	7/31/02	Revised number of sumps in Table 1 to reflect below grade sumps	K. Chandrasekaran

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1 Introduction

The Washington Administrative Code, WAC 173-303, requires the use of secondary containment for systems containing dangerous waste. This revision of the document provides a brief description of the secondary containment sumps located below grade level of the Pretreatment facility.

2 Applicable Documents

- Washington Administrative Code, WAC 173-303, Dangerous Waste Regulations

3 Description

3.1 Below Grade Level

There are two sumps located below grade in this facility. One of the sumps is a wet type and the other is a dry type sump.

The dry sump is located in the pit at the (-) 19'-0" level. This dry sump is an epoxy coated sump. The maximum operating volume of this sump is less than 112 gallons. This sump is equipped with level detection and a pump that will discharge the liquid from the sump to the Floor Drain Collection Vessel (PWD-VSL-00045) located at the same elevation as that of the sump.

The wet sump is located in the pit at the (-) 45'-0" level. The sump is operated wet at all times. The upper edge of this fabricated stainless steel sump interfaces with the cell liner. The maximum operating volume of the sump is less than 235 gallons. The sump has provisions for level detection. This sump is also equipped with two ejectors that will eject the sump contents to Ultimate Overflow Vessel, (PWD-VSL-00033) and the HLW Effluent Transfer Vessel, (PWD-VSL-00043) located at (-) 45'-0" level.

Information on the Pretreatment Facility below grade sumps is given in Table 1.

Table 1 PTF Cell Sump Data

##	Sump PIN	PT Room Number	Maximum Sump Capacity, GAL	Sump Type/Nominal Operating Volume, GAL	Sump Dimensions, Inch	P&ID Number	Leak Detection Type	Material of Fabrication
1	PWD-SUMP-00071	P-B005 (PIT ~19)	112.2	Dry Sump 140.3	24" X 30" X 36"	24590-PTF-M6-PWD-P00041	Radar	Epoxy coating
2	PWD-SUMP-00040	P-B002 (PIT 45)	233.7		60" X 30" X 30"	24590-PTF-M6-PWD-P00012	Bubbler	6Mo